

What Is Claimed Is:

1 1. A shock-absorbing structure of a battery
2 cover, comprising:

3 a battery cover which protects at least one
4 battery; and

5 a plurality of shock-absorbing ribs formed on
6 an outer surface of the battery cover.

1 2. A shock-absorbing structure according to claim
2 1, wherein the plurality of ribs are arranged
3 parallel to each other.

1 3. A shock-absorbing structure according to claim
2 1, wherein the plurality of ribs are crossed in a
3 lattice-like manner.

1 4. A shock-absorbing structure according to claim
2 1, further comprising:

3 at least one fixing member engaged with an
4 electrode of the at least one battery; and

5 at least one projection which is formed on an
6 inner surface of the battery cover and can abut
7 against the at least one fixing member.

1 5. A shock-absorbing structure according to claim
2 4, wherein the at least one projection has an
3 annular shape to form a hollow portion therein, and
4 a distal end portion of the electrode is received

5 in the hollow portion of the at least one
6 projection.

1 6. A shock-absorbing structure according to claim
2 4, wherein a gap between the at least one
3 projection and the at least one fixing member is
4 smaller than a gap between the electrode and the
5 battery cover.

1 7. A shock-absorbing structure according to claim
2 5, wherein a gap between the at least one
3 projection and the at least one fixing member is
4 smaller than a gap between the electrode and the
5 battery cover.

1 8. A shock-absorbing structure according to claim
2 4, wherein the plurality of ribs and the at least
3 one projection are disposed substantially
4 symmetrically with respect to a plane of the
5 battery cover.

1 9. A shock-absorbing structure according to claim
2 1, wherein the plurality of ribs are interconnected
3 by at least one bulge portion formed on the battery
4 cover.

1 10. A shock-absorbing structure according to claim
2 9, wherein the at least one bulge portion and the

3 plurality of ribs project substantially to the same
4 height.

1 11. A shock-absorbing structure of a battery
2 cover, comprising:

3 a battery cover which protects at least one
4 battery;

5 at least one fixing member engaged with an
6 electrode of the at least one battery; and

7 at least one projection which is formed on an
8 inner surface of the battery cover and can abut
9 against the at least one fixing member.

1 12. A shock-absorbing structure according to claim
2 11, wherein the at least one projection has an
3 annular shape to form a hollow portion therein, and
4 a distal end portion of the electrode is received
5 in the hollow portion of the at least one
6 projection.

1 13. A shock-absorbing structure according to claim
2 11, wherein a gap between the at least one
3 projection and the at least one fixing member is
4 smaller than a gap between the electrode and the
5 battery cover.

1 14. A shock-absorbing structure according to claim
2 12, wherein a gap between the at least one

3 projection and the at least one fixing member is
4 smaller than a gap between the electrode and the
5 battery cover.

1 15. A shock-absorbing structure according to claim
2 11, further comprising:

3 a plurality of shock-absorbing ribs formed on
4 an outer surface of the battery cover.

1 16. A shock-absorbing structure according to claim
2 15, wherein the plurality of ribs are arranged
3 parallel to each other.

1 17. A shock-absorbing structure according to claim
2 15, wherein the plurality of ribs are crossed in a
3 lattice-like manner.

1 18. A shock-absorbing structure according to claim
2 15, wherein the plurality of ribs and the at least
3 one projection are disposed substantially
4 symmetrically with respect to a plane of the
5 battery cover.

1 19. A shock-absorbing structure according to claim
2 15, wherein the plurality of ribs are
3 interconnected by at least one bulge portion formed
4 on the battery cover.

1 20. A shock-absorbing structure according to claim
2 19, wherein the at least one bulge portion and the
3 plurality of ribs project substantially to the same
4 height.